

17609PCT-US (AP)

R.S. Entered

CYCLOHEXYL PROSTAGLANDIN

ANALOGS AS EP₄-RECEPTOR AGONISTS

5 [This application is a 371 of PCT/US04/26607 filed on 08/16/2004.]

CROSS REFERENCE TO RELATED APPLICATIONS

10 This is a request for commencement of the national stage under 35 U.S.C. § 371 of PCT application PCT/US2004/026607, filed on August 16, 2004, which claims priority to Serial No. 10/652,634 filed on August 28, 2003

1. Field of the Invention

15 The present invention relates to cyclohexyl prostaglandin analogs as EP₄-receptor agonists. These compounds are potent ocular hypotensives and are particularly suited for the management of glaucoma.

20 Background of the Invention2. Description of Related Art

25 Ocular hypotensive agents are useful in the treatment of a number of various ocular hypertensive conditions, such as post-surgical and post-laser trabeculectomy ocular hypertensive episodes, glaucoma, and as presurgical adjuncts.

30 Glaucoma is a disease of the eye characterized by increased intraocular pressure. On the basis of its etiology, glaucoma has been classified as primary or secondary. For example, primary glaucoma in adults (congenital glaucoma) may be either open-angle or acute or chronic angle-closure. Secondary glaucoma